



# The Trip-Cam

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## **TOOLS:**

- [Digital camera \(1\)](#)  
*A simple model will do.*
- [Lighter \(1\)](#)  
*or heat gun*
- [Screwdriver \(1\)](#)
- [Soldering iron \(1\)](#)

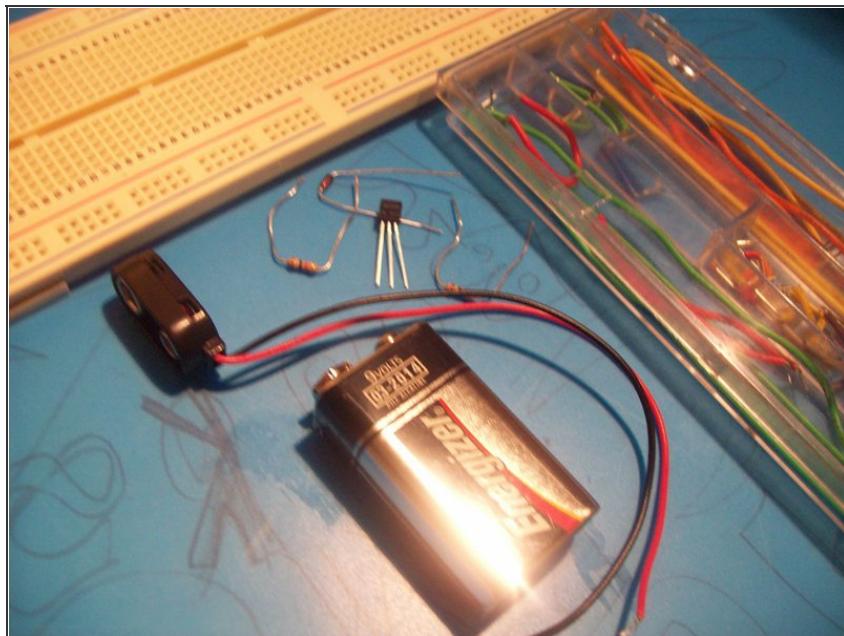
## **PARTS:**

- [Transistor \(1\)](#)
- [Magnetic reed switch \(1\)](#)  
*or trip wire or switch*
- [Resistor \(1\)](#)
- [Wire \(1\)](#)
- [Solderless breadboard \(1\)](#)
- [Solderless Breadboard Jumper Wire Kit \(1\)](#)
- [Battery \(1\)](#)  
*or 9V wall plug*

## **SUMMARY**

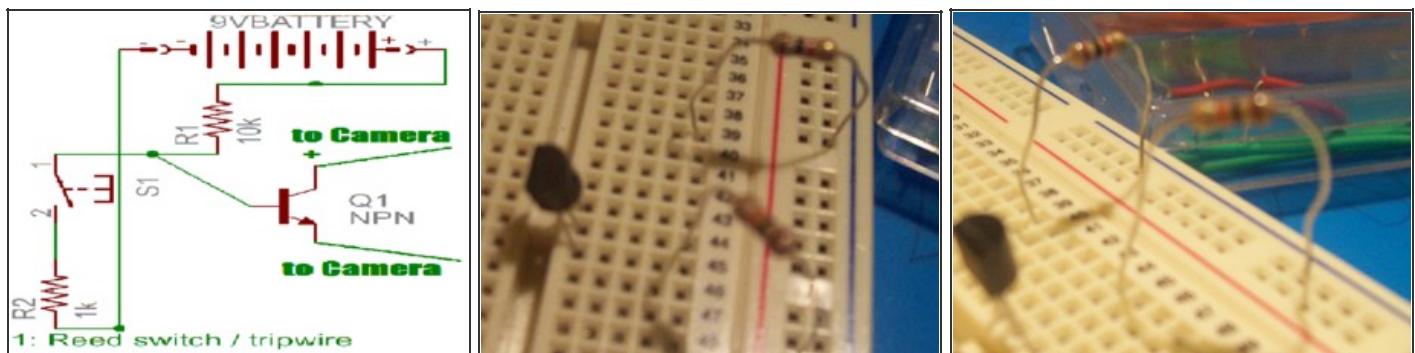
In this project we are going to take an ordinary camera and turn it into a trip-wire or magnetic reed-switch triggered spy and security camera!

## Step 1 — The Trip-Cam



- Lay out your components on your workbench.
- I couldn't use a camera because I have only got one.

## Step 2

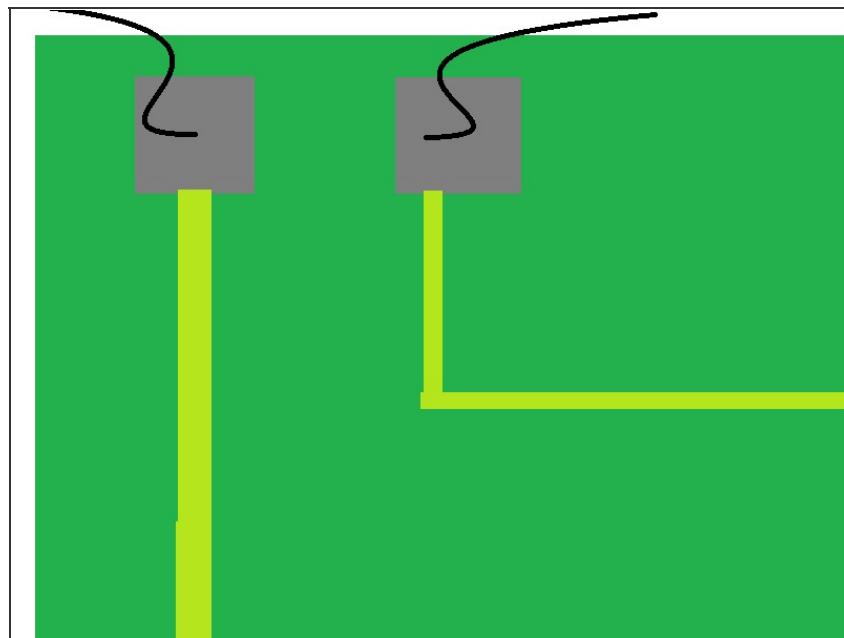


- Put your components into the breadboard according to this schematic.

## Step 3

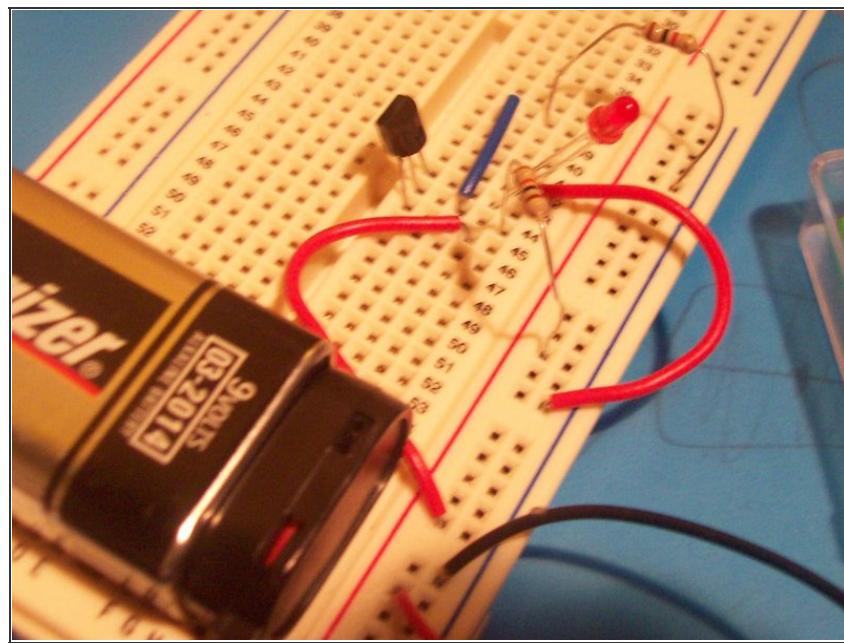
- Open your camera.

## Step 4



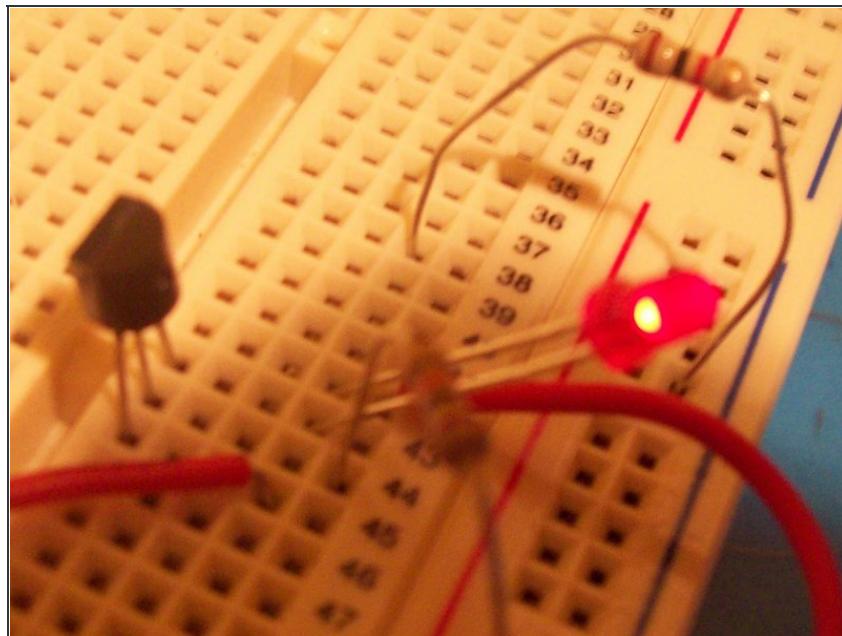
- Locate the trigger button terminals and solder two wires to them.
- Feed the wires through the trigger button hole.

## Step 5



- Make all necessary jumpers and final connections on the breadboard.
- Note: The LED and red jumpers represent the camera wires.
- The blue wire represents the switch or trip wire.

## Step 6



- Test the breadboard circuit.

## Step 7



- Solder all the connections together either barebone or on perfboard.

## Step 8



- Now just wait for someone to come.

## Step 9 — Enhancements

- LED strobe light by adding a lot of LEDs across the transistor's collector and emitter.
- Make two: one for power, one for trigger.
- Add lasers instead of a trip wire or switches. Use a photocell to pick up the laser light.

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This project is an easy and fun project to make whether you need to guard your room or just spy on people! So let's get into it!

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